

Cancel claims 6 and 7.

At claims 8, 9, line 1 delete "4" and substitute therefor -- 18 --.

At claim 8 line 2 delete " μ " and substitute therefor -- μm --.

At claim 9, line 2 delete " μ " and substitute therefor -- μm --.

At claim 10, line 1 delete "1" and substitute therefor -- 18 --.

At claim 12, line 2 delete " μ " and substitute therefor -- μm --.

At claim 13, line 2 delete " μ " and substitute therefor -- μm --.

Cancel claim 16 and substitute therefor the following new claim 19;

B5

19) A field emitter extractor gauge comprising a field emitter array, an anode grid, a focus plate, a reflector and a collector wherein said field emitter array comprises an array of solid diamond electron emitters each comprising a diamond greater than $5\mu\text{m}$ in thickness having a pointed surface with a radius of less than about $100\mu\text{m}$, said pointed surface having a roughness of between about 20 angstroms and about $10\mu\text{m}$.

Remarks

The claims of the present application stand objected to for their use of the symbol " μ " in lieu of the proper dimensional symbol " μm ". The foregoing amendments to the claims correct all occurrences of this oversight.